Form D'		140				ři s		)en	artment of	Commerce	Attv	. Doc		of 4	Serial :	805, B No.
									artment of Commerce Trademark Office			Atty. Docket No. 64987-A			No Yet Known	
		IN	VF(						ISCLOSU sheets if no	RE CITATION ecessary)		licant oriela		sos et a		·
												Filing Date March 18, 2004			Group 1626	
									U.S. PA	TENT DOCUMENTS						•
Examiner nitial	I	Document Number							Date Name		Clas	Class		Subclass		Date ropriate
SI	3	3	0	6	7	0	9	9	12/04/62	McCormick et al.			_			
H	4	1	3	2	2	3	4	3	05/30/82	Debono	1					
K	4	ı	9	4	6	9	4	1	08/07/90	Kondo et al.						
H	5	5_	1	8	7	0	8	2	02/16/93	Hamill and Yao						
R	5	5	3	1	2	7	3	8	05/17/94	Hamill et al.						
fl	6	5	0	3	7	4	4	7	03/14/00	Stack and Thompson						
fl	6	5	1	8	0	6	0	4	01/30/01	Fraser et al.	-	_		•		
									FOREIGN I	PATENT DOCUMENT	`S					
	E	)oc	uni	ent	Nu	nbe	er		Date	Country	Cl	lass	Su	bclass	Transl: Yes	No
K	W 9	)	1	0	6	5	6	6	05/16/91	PCT		_				
			07	ГHJ	ER :	DO	CUN	ME!	NTS (Includi	ng Author, Title, Date,	Pertin	ent P	ages, E	Ctc.)		
K					_				-	n Overview of Nosoo Clin Microbiol. Rev.				-	ding the	e Role
sl						-	-	-	eptide-resis (1998)	tant enterococci: a d	ecade	of ex	kperie	nce, $J$ .	Med.	
sl		G. L. French, Enterococci and Vancomycin Resistance, Clin. Infect. Dis., Suppl 1:S75-S83 (1998)														
l		C.T. Walsh, Vancomycin Resistance: Decoding the Molecular Logic, Science, 261:308-309 (1993)														
H H	G.D. Wright et al., Characterization of VanY, a DD-Carboxypeptidase from Vancomycin-Resistant Enterococcus faecium BM4147, Antimicrob. Agents. Chemother., 36(7):1514-1518 (1992)															
JL	P.E. Reynolds et al., Glycopeptide resistance mediated by enterococcal transposon Tn 1546 requires production of VanX for hydrolysis of D-alanyl-D-alanine, Mol. Microbiol., 13(6):1065-1070 (1994)															
Il										Method for Molecula ies, J. Org. Chem., 5						
XAMINER									DATE CONSI						· · · · · · · · · · · · · · · · · · ·	
H_			,						11/2/	04						
							d, wl									

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE CITATION	Atty. Docket No. 64987-A	Serial No. Not Yet Known					
	(Use several sheets if necessary)	Applicants Gabriela Chiosos et						
	· .	Filing Date March 18, 2004	Group					
	OTHER DOCUMENTS (Including Author, Title, I	Date, Pertinent Pages, Etc.)						
fl	S. Handwerger et al., Vancomycin Resistance Is l Plasmid in Entercoccus faecium 228, Antimicrob		-					
H	A. E. Jacobs and S. J. Hobbs, Conjugal Transfer Resistance in <i>Streptococcus faecalis</i> var. zymogen	<del>-</del>						
el el	M. H. Lai and D. R. Kirsch, Induction Signals for Vancomycin Resistance Encoded by vanA Gene Cluster in Enterococcus faecium, Antimicrob. Agents. Chemother., 40(7):1 1648 (1996)							
el	B.L.M. De Jonge et al., Peptidoglycan Composition of Vancomycin-Resistant Enterococcus faecium, Microb. Drug Resist. 2:225-229 (1996)							
l ll	S. Evers et al., Genetics of Glycopeptide Resistan 2:219-223 (1996)	nce in Enterococci, Microb	. Drug Resist.					
se se	P.E. Reynolds, Biochemistry, and Mechanism of J. Microbiol. Infect. Dis. 8:943-950 (1993)		•					
Il	K. Matusmoto, A Vancomycin-Related Antibiotic Antibiotics, Ser. A. 14(3):141-146	c From <i>Steptomyces</i> Sp. K	-288, <i>J</i> .					
• 0	U.C. Cominal No. 00/020 746 filed	Thresh 22 2001	(Chicaia)					
Jel	U.S. Serial No. 09/938,746, filed including the claim set as allowed		(CHIOSIS),					
			•					
<u> </u>								
EXAMINER	DATE CONSIDERED							
JL.	11/2/04							
	itial if citation considered, whether or not citation is in conformance with ot considered. Include copy of this form with next communication to app		on if not in					

Sheet 3 of 4

								-	•	Serial No. Not Yet Known				
							CITATION	1	Applicants Gabriela Chiosos et al.					
BY APPLICANT (Use several sheets if necessary)								Filing Date March 18, 2004						
						U.S. PA	TENT DOCUMEN	TS		,				
Document Number					ber	Date	Name	Class	Subclass	Filing Date if Appropriate				
	<u></u>					FORFICN	PATENT DOCUM	FNTS			<u>سم.                                    </u>			
Dogument Number					nher	1	<u> </u>		Subclass	Translation				
	ocu	HIICI	.16 1	·ui	noci	Date	Country	Class	Subclass	Yes	No			
										<u></u>				
C	TH	ŒR	DC	<u>)C</u>	UMI	NTS (Includ	ding Author, Title, I	ate, Perti	nent Pages, E	Etc.)				
Abraham, E. P. and E. Chain, An Enzyme from Bacteria able to Destroy Penicillin, <i>Nature</i> <b>146</b> , 837 (1940)														
Perl, T. M., The Threat of Vancomycin Resistance, Am. J. Med. 106:5A, 26S-37S (1999)														
Wright, G. D. and C. T. Walsh, D-Alanyl-D-alanine Ligases and the Molecular Mechanism of														
									gic, Science 2	261, 308-3	09 (1993)			
(V.	Silva, J.C. et al., <i>In vivo</i> characterization of the type A and B vancomycin resistant enterocossi (VRE) VanRS two-component systems in <i>Escherichia coli</i> : A nonpathogenic model for studying													
										ein VanH	and 2-			
Bugg, T. D. et al., Molecular Basis for Vancomycin Resistance in <i>Enterococcus feacium</i> BM4147: Biosynthesis of a Dispeptide Peptidoglycan Precursor by Vancomycin Resistance Proteins VanH														
Wu, Z. and C. T. Walsh, Phosphare analogs of D-, D-dipeptides: Slow-binding inhibition and proteolysis protection of VanX, a D-, D-dipeptidase required for vancomycin resistance in														
Xu, R. et al., Combinatorial Library Approach for the Identification of Synthetic Receptors Targeting Vancomycin-Resistant Bacteria, J. Am. Chem. Soc. 121, 4898 (1999)														
Ge, M. et al., Vancomycin Derivatives That Inhibit Peptidoglycan Biosynthesis Without Binding D-Ala-D-Ala, Science 284, 507-511 (1999)														
Sundram, U. N. et al., Novel Vancomycin Dimers with Activity against Vancomycin-Resistant Enterococci, J. Am. Chem. Soc. 118, 13107-13108 (1996)														
				<del>,</del>		DATE CONȘI	IDERED			•				
	INFO  D  O  Ab  (19  Pei  Wa  Sil  (V)  thee  Arr  hyd  Bu  Bid  and  Wu  pro  En  Xu  Ta:  Ge  D-  Sun	Docu Docu Docu Docu Docu Docu Docu Docu	Docume  Docume  OTHER  Abraham, (1940)  Perl, T. M  Wright, G. Vancomyc  Walsh, C.  Silva, J.C. (VRE) Var the VRE si Arthur, M. hydroxyca  Bugg, T. I. Biosynthes and VanA, Wu, Z. an proteolysis Enterocock Xu, R. et a Targeting Ge, M. et D-Ala-D-A Sundram,	Document N  Document N  Document N  OTHER DO  Abraham, E. I (1940)  Perl, T. M., T  Wright, G. D.  Vancomycin I  Walsh, C. T.,  Silva, J.C. et a (VRE) VanRS the VRE signal Arthur, M. et hydroxycarbo  Bugg, T. D. et Biosynthesis of and VanA, Bia  Wu, Z. and C proteolysis pr  Enterococcus  Xu, R. et al., Targeting Van  Ge, M. et al., D-Ala-D-Ala, Sundram, U.	Document Num  Document Num  Document Num  OTHER DOC  Abraham, E. P. a (1940)  Perl, T. M., The  Wright, G. D. an  Vancomycin Res  Walsh, C. T., Va  Silva, J.C. et al., (VRE) VanRS tv the VRE signal t  Arthur, M. et al., hydroxycarboxyl  Bugg, T. D. et al Biosynthesis of a and VanA, Bioch  Wu, Z. and C. T proteolysis prote  Enterococcus fae  Xu, R. et al., Co Targeting Vanco  Ge, M. et al., V D-Ala-D-Ala, So Sundram, U. N.	Patent INFORMATION DISC BY APP  (Use several she  Document Number  OTHER DOCUME Abraham, E. P. and E (1940) Perl, T. M., The Three Wright, G. D. and C. Vancomycin Resistan Walsh, C. T., Vancom Silva, J.C. et al., In vir (VRE) VanRS two-co the VRE signal trasdu Arthur, M. et al., Strue hydroxycarboxylic aci Bugg, T. D. et al., Mo Biosynthesis of a Disp and VanA, Biochem. Wu, Z. and C. T. Wa proteolysis protection Enterococcus faecium Xu, R. et al., Combin Targeting Vancomyci Ge, M. et al., Vancon Sundram, U. N. et al	Patent and Trader  INFORMATION DISCLOSURE OF BY APPLICANT (Use several sheets if necessary U.S. PADOCUMENT Number Date)  Pocument Number Date  OTHER DOCUMENTS (Included Abraham, E. P. and E. Chain, An Inc. (1940)  Perl, T. M., The Threat of Vancom Wright, G. D. and C. T. Walsh, D. Vancomycin Resistance, Acc. Cheene Walsh, C. T., Vancomycin Resistance (VRE) VanRS two-component systhe VRE signal trasduction pathway Arthur, M. et al., Structural relation hydroxycarboxylic acid dehydroged Bugg, T. D. et al., Molecular Basis Biosynthesis of a Dispeptide Peptic and VanA, Biochem. 30, 10408-10  Wu, Z. and C. T. Walsh, Phosphoroteolysis protection of VanX, a Enterococcus faecium, Proc. Natl. Xu, R. et al., Combinatorial Libra Targeting Vancomycin-Resistant Inc. Ge, M. et al., Vancomycin Derivatory D-Ala-D-Ala, Science 284, 507-5  Sundram, U. N. et al., Novel Van Enterococci, J. Am. Chem. Soc.	Patent and Trademark Office  INFORMATION DISCLOSURE CITATION BY APPLICANT (Use several sheets if necessary)  U.S. PATENT DOCUMENT  Document Number  Date  FOREIGN PATENT DOCUMENT  Document Number  Date  Country  OTHER DOCUMENTS (Including Author, Title, I. Abraham, E. P. and E. Chain, An Enzyme from Bacteria (1940)  Perl, T. M., The Threat of Vancomycin Resistance, Am.  Wright, G. D. and C. T. Walsh, DAlanyl-D-alanine Lig Vancomycin Resistance, Acc. Chem. Res. 25, 468-473 (Walsh, C. T., Vancomycin Resistance: Decoding the Mosilva, J.C. et al., In vivo characterization of the type A at (VRE) VanRS two-component systems in Escherichia Cethe VRE signal trasduction pathways, Proc. Natl. Acad.  Arthur, M. et al., Structural relationship between the var hydroxycarboxylic acid dehydrogenases, Gene 103, 133-Bugg, T. D. et al., Molecular Basis for Vancomycin Res Biosynthesis of a Dispeptide Peptidoglycan Precursor by and VanA, Biochem. 30, 10408-10415 (1991)  Wu, Z. and C. T. Walsh, Phosphäte analogs of D-,D-c proteolysis protection of VanX, a D-, D-dipeptidase re Enterococcus faecium, Proc. Natl. Acad. Sci. U.S.A. St. Xu, R. et al., Combinatorial Library Approach for the Targeting Vancomycin-Resistant Bacteria, J. Am. Che Ge, M. et al., Vancomycin Derivatives That Inhibit Pe D-Ala-D-Ala, Science 284, 507-511 (1999)  Sundram, U. N. et al., Novel Vancomycin Dimers with Enterococci, J. Am. Chem. Soc. 118, 13107-13108 (1904)	Patent and Trademark Office  INFORMATION DISCLOSURE CITATION BY APPLICANT (Use several sheets if necessary)  U.S. PATENT DOCUMENTS  Document Number  Date  FOREIGN PATENT DOCUMENTS  Document Number  Date  Country  Class  FOREIGN PATENT DOCUMENTS  Document Number  Date  Country  Class  OTHER DOCUMENTS (Including Author, Title, Date, Pertive Abraham, E. P. and E. Chain, An Enzyme from Bacteria able to Document, T. M., The Threat of Vancomycin Resistance, Am. J. Med. 10  Wright, G. D. and C. T. Walsh, D-Alanyl-D-alanine Ligases and the Vancomycin Resistance, Acc. Chem. Res. 25, 468-473 (1992)  Walsh, C. T., Vancomycin Resistance: Decoding the Molecular Local Silva, J.C. et al., In vivo characterization of the type A and B vance (VRE) VanRS two-component systems in Escherichia coli: A non-the VRE signal trasduction pathways, Proc. Natl. Acad. Sci. U.S.A.  Arthur, M. et al., Structural relationship between the vancomycin relationship between the vancomycin resistance in Biosynthesis of a Dispeptide Peptidoglycan Precursor by Vancomy and VanA, Biochem. 30, 10408-10415 (1991)  Wu, Z. and C. T. Walsh, Phosphade analogs of D-,D-dipeptides: proteolysis protection of VanX, a D-, D-dipeptidase required for Enterococcus faecium, Proc. Natl. Acad. Sci. U.S.A. 92, 11603-Xu, R. et al., Combinatorial Library Approach for the Identificant Targeting Vancomycin-Resistant Bacteria, J. Am. Chem. Soc. 12  Ge, M. et al., Vancomycin Derivatives That Inhibit Peptidoglyca D-Ala-D-Ala, Science 284, 507-511 (1999)  Sundram, U. N. et al., Novel Vancomycin Dimers with Activity Enterococci, J. Am. Chem. Soc. 118, 13107-13108 (1996)	Patent and Trademark Office INFORMATION DISCLOSURE CITATION BY APPLICANT (Use several sheets if necessary)  U.S. PATENT DOCUMENTS  Document Number  Date  POREIGN PATENT DOCUMENTS  Document Number  Date  Class  Subclass  FOREIGN PATENT DOCUMENTS  Document Number  Date  Country  Class  Subclass  OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Feether, Country)  Perl, T. M., The Threat of Vancomycin Resistance, Am. J. Med. 106:5A, 26S-37  Wright, G. D. and C. T. Walsh, D-Alanyl-D-alanine Ligases and the Molecular I Vancomycin Resistance, Acc. Chem. Res. 25, 468-473 (1992)  Walsh, C. T., Vancomycin Resistance: Decoding the Molecular Logic, Science 2  Silva, J.C. et al., In vivo characterization of the type A and B vancomycin resistate (VRE) VanRS two-component systems in Escherichia coli: A nonpathogenic methe VRE signal trasduction pathways, Proc. Natl. Acad. Sci. U.S.A. 95 11951-1  Arthur, M. et al., Structural relationship between the vancomycin resistance prothydroxycarboxylic acid dehydrogenases, Gene 103, 133-134 (1991)  Bugg, T. D. et al., Molecular Basis for Vancomycin Resistance in Enterococcus Biosynthesis of a Dispeptide Peptidoglycan Precursor by Vancomycin Resistance and VanA, Biochem. 30, 10408-10415 (1991)  Wu, Z. and C. T. Walsh, Phosphate analogs of D-, D-dipeptides: Slow-binding proteolysis protection of VanX, a D-, D-dipeptidase required for vancomycin Enterococcus faecium, Proc. Natl. Acad. Sci. U.S.A. 92, 11603-11607 (1995)  Xu, R. et al., Combinatorial Library Approach for the Identification of Synthe Targeting Vancomycin Resistant Bacteria, J. Am. Chem. Soc. 121, 4898 (1996)  Ge, M. et al., Vancomycin Derivatives That Inhibit Peptidoglycan Biosynthesis D-Ala-D-Ala, Science 284, 507-511 (1999)  Sundram, U. N. et al., Novel Vancomycin Dimers with Activity against Vance Enterococci, J. Am. Chem. Soc. 118, 13107-13108 (1996)	Patent and Trademark Office  Patent and Trademark Office  Patent and Trademark Office  INFORMATION DISCLOSURE CITATION BY APPLICANT (Use several sheets if necessary)  U.S. PATENT DOCUMENTS  Document Number  Date  FOREIGN PATENT DOCUMENTS  POREIGN PATENT DOCUMENTS  Document Number  Date  Country  Class  Subclass  Filing Date if Appropriate Applicants  Yes  OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  Abraham, E. P. and E. Chain, An Enzyme from Bacteria able to Destroy Penicillin, Nature (1940)  Perl, T. M., The Threat of Vancomycin Resistance, Am. J. Med. 106:5A, 26S-37S (1999)  Wright, G. D. and C. T. Walsh, D-Alanyl-D-alanine Ligases and the Molecular Mechanism Vancomycin Resistance, Acc. Chem. Res. 25, 468-473 (1992)  Walsh, C. T., Vancomycin Resistance: Decoding the Molecular Logic, Science 261, 308-3  Silva, J.C. et al., In vivo characterization of the type A and B vancomycin resistant enteroc (VRE) VanRS two-component systems in Escherichia coli: A nonpathogenic model for st the VRE signal trasduction pathways, Proc. Natl. Acad. Sci. U.S.A. 95 11951-11956 (1991)  Arthur, M. et al., Structural relationship between the vancomycin resistance protein VanH hydroxycarboxylic acid dehydrogenases, Gene 103, 133-134 (1991)  Bugg, T. D. et al., Molecular Basis for Vancomycin Resistance in Enterococcus feacium B Biosynthesis of a Dispeptide Peptidoglycan Precursor by Vancomycin Resistance Proteins and VanA, Biochem. 30, 10408-10415 (1991)  Wu, Z. and C. T. Walsh, Phosphate analogs of D-D-dipeptides: Slow-binding inhibition proteolysis protection of VanX, a D-, D-dipeptidase required for vancomycin resistance Enterococcus feacium, Proc. Natl. Acad. Sci. U.S.A. 92, 11603-11607 (1995)  Xu, R. et al., Combinatorial Library Approach for the Identification of Synthetic Recept Targeting Vancomycin-Resistant Bacteria, J. Am. Chem. Soc. 121, 4898 (1999)  Ge, M. et al., Novel Vancomycin Dimers with Activity against Vancomycin-Resistance Document Synthesis Without D-Ala-D-Ala, Science 284, 507-511 (19			

Form PTO-1449			epartment of Comit and Trademark O		Atty. Docket No. 64987-A	Serial No. Not Yet Known				
	INFORM		CLOSURE CITATI	•	Applicants Gabriela Chiosis e	t al.				
	(Ųs		LICANT eets if necessary)		Filing Date March 18, 2004	Group				
	ОТН	ER DOCUME	ENTS (Including Au	uthor, Title, Da	te, Pertinent Page	s, Etc.)				
IL	,		al., Complex synthers. 90, 10922-10926		aries indexed with	molecular tags, <i>Proc</i> .				
sl.			A defect in cell wall coli. EMBO J., 18, 4			the stationary growth				
M			Vancomycin-Induc			llus subtilis: Induction ol. 178, 6305-6309				
H	Baptista, M. et al., Specificity of Induction of Glycopeptide Resistance Genes in <i>Enterococcus faecalis</i> , Antimicrob. Agents Chemother. 40, 2291-2295 (1996)									
sl sl sl	Cheng, Y. et al., Sequence-Selective Peptide Binding with a Peptido-A,B-trans-steroidal Receptor Selected from an Encoded Combinatorial Receptor Library, J. Am. Chem. Soc. 118, 1813-1814 (1996)									
M			Still, Synthetic Iono Cu <sup>2+</sup> and Co <sup>2+</sup> , <i>J. Org</i>			braries of Cyclen-				
M			C. Still, Synthetic Ry, J. Am. Chem. Soc.			n Encoded				
dl			cally Vancomycin Renfection Control, <i>Jou</i>							
·										
					·					
				A						
				·						
EXAMINER		<u> </u>	DATE CONSIDERED							
			red, whether or not cit sidered. Include copy							